SHADRIN, V.S.; GORODETSKIY, A.F.

Tensoresistance of polycrystalline germanium films. Fiz. tver. tela
5 no.10:3030-3031 0 163. (MIRA 16:11)

1. Novosibirskiy elektrotekhnicheskiy institut.

SHADRIN, V.S.; GORODETSKIY, A.F.

Piezoresistance of germanium. Fiz. tver. tela 5 nc.11:3031-3087 N
(MIRA 16:12)

1. Novosibirskiy elektrotekhnicheskiy institut.

EWT(m)/EWP(m)/T/EWP(t)/EWP(b)/EWA(c) L 1116-66 IJP(c) JD/GS ACCESSION NR: AT5020494 UR/0000/64/000/000/0469/0470 AUTHORS: Gorodetskiy, A. F.; Vartoprakhov, V. N. anning the same 41 TITLE: On the effect of dislocations on the microhardness of germanium SOURCE: Mezhvuzovskaya nauchno-tekhnicheskaya konferentsiya po fizike poluprovodnikov (poverkhnostnyve i kontaktnyve yavleniya). Tomsk, 1962. Foverkhnostnyye i kontaktnyye yavleniya v poluprovodnikakh (Surface and contact phenomena in semiconductors). Tomsk, Izd-vo Tomskogo univ., 1964, 469-470 TOPIC TAGS: semiconducting material, germanium, crystal dislocation, hardness / SR 4A etching agent ABSTRACT: The dislocation density and microhardness of specimens of n-type germanium with a resistivity of 20 A -cm on face (III) were determined in order to supplement the work of others in this area. After mechanical polishing and chemical polishing in SR-LA stching agent, the dislocations of the specimens were revealed by selective etching; some of the specimens were deformed by bending at 6500 in order to produce dislocation densities that covered several orders of magnitude. Fragments of the deformed specimens were annealed in a vacuum of Card 1/2

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THE CELTERY	Engineering	Institute)	, s		armen out office h	OLE WOLOB	hirek
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ACCESSION NR: AP4019872

S/0181/64/006/003/0956/0958

AUTHORS: Shadrin, V. S.; Gorodetskiy, A. F.

TITLE: The piezothermoelectromotive force of degenerate n type germanium

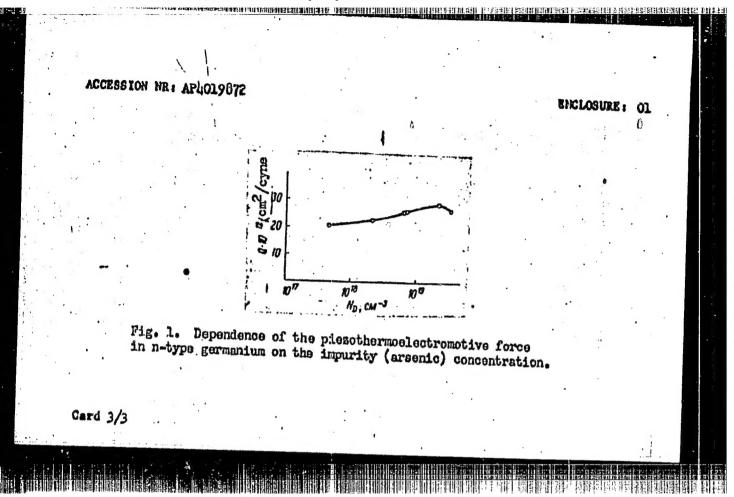
SOURCE: Fizika tverdogo tela, v. 6, no. 3, 1964, 956-958

TOPIC TAGS: piezoelectric effect, semiconductor, crystal lattice deformation

ABSTRACT: Almost all parameters determining kinetic coefficients change during unilateral deformation of a semiconductor. Change in electrical conductivity is caused by change in relaxation time, group velocity, density, and distribution function. It has been shown, however, that in the temperature range where the effect of interminimum scattering is small, piezoresistance is determined chiefly by change in the distribution function. The relations of the piezothermoelectromotive force to impurity (arsenic) concentration in n-type germanium are shown in Fig. 1 on the Enclosure. The authors have also obtained an expression for the ratio of the coefficient of piezothermoelectromotive force to piezoresistance on the assumption that the coefficient of thermoelectromotive force at the i-th minimum of degenerate n-type Ge is anisotropic and that the distribution function

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ACC NR: AR6033788 SOURCE CODE: UR/0058/66/000/007/E069/E069

AUTHOR: Gorodetskiy, A. F.; Lykova, T. K.

37

TITLE: Effect of plastic deformation on the lifetime of excess carriers in n-type silicon γ

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SOURCE: Ref. zh. Fizika, Abs. 7E521

REF SOURCE: Tr. Novosib. elektrotekhn. in-t svyazi. vyp. 1, 1965, 208-210

TOPIC TAGS: plastic deformation, silicon, deformation, charge carrier, p type silicon, flexing, plastic flexing, dislocation density

ABSTRACT: The photoconductivity compensation method was used to measure the lifetime of nonequilibrium electrons (1) in Si monocrystals, in which the density of dislocation (DD) was varied by means of plastic flexing of crystals at 950C. It was found that \(\tau\) is inversely proportional to DD. It is known that \(\tau\) is also reduced by subjecting crystals to thermal treatment. A comparison of these two methods of decreasing \(\tau\) showed that in plastic deformation \(\tau\) may be decreased by more than one order below that obtained through thermal treatment. A, Niliysk. [Translation of abstract]

Cord 1/1 nst SUB CODE: 20/

KUTNER, M.B.; PODKANTOR, N.N.; GORODETSKIY, A.N.; ROBUSTOV, A.M.; ARIST, L.M.

Mechanization of auxiliary sections in blast furnace practice. Met. i gornorud. prom. no. 2:18-19 Mr-Ap '64. (MIRA 17:9)

	GOROPHTERIY, A.F.; HOBUSTOV, A.:.; HELDER, LUIL; SHEHER HELDER
	Automobic days removal from open nearth farmed roof is that. Matalinery 9 no.6:18-19 de 104. (May 17:9)
	1. Ukraipromes.
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TORKONGO, G.V.; ARIST, L.M.; ROPENTOV, A.M., RESIGN, M.E., FOLDERTOP, R.E., DITTINERG, V.I.; GORGARISELY, A.M.; LEGIPPER, A.I., MANYURO, V.I.

Mechanization operations in the casting house and at the hearth of large-capacity blast furnaces. Stall 25 no.2:102-107 F 165.

(MIPA 18:3)

O. Rodelskip, AS

USSR/Microbiology - Medical and Veterinary Microbiology F-4

Abs Jour : Referat Zhurn - Biol. No 16, 25 Aug 1957, 68583

Author : Lokshina, S.S., Corodetskiy, A.S.

Title : Presence of Microbes of the Intestinal Group in

Hibernating Flies

Orig Pub : V. sb.: Dizenteriya, Kiev, Gosmedizdat U(Ukr)SSR, 1956.

242-244

Abstract : In the winter of 1948-1949 in 335 different institutions

investigated -- children's homes, food establishments and homes (in 31 of them there were dysentery patients), 277 flies (Musca domestica) were collected and subjected to a bacteriological investigation; in 170 of these, microbes of the intestinal group were found: in the majority-different variants of intestinal bacilli; in 15-- paracoli A, in 10-- paracoliV; in 2-- paracoli Va; in 7 fecal alkali-producer, in-- 3 Morgan bacilli, in 8--proteus. Among paraintestinal bacilli also a significant

teus. Among paraintestinal bacilli also a significant

Card 1/2

- 55 -

USSR/Microbiology - Medical and Veterinary Microbiology

F-4

Abs Jour

: Referat Zhurn - Biol. No 16, 25 Aug 1957, 68583

number of variants were found. The ability of isolated types of intestinal and paraintestinal bacteria to agglutinate by dysentery sera of Shiga, Hiss-Flexmer and Sonne was verified. Positive results were obtained in 11 cases. Comparing the high microbial population of the intestinal group in hibernating flies with that of flies during summertime (according to data of 1947 in city conditions in May-- 50%, July-- 82% and in September-- 90%) the authors consider it justifiable to place the problem of the importance of hibernating flies in the epidemiology of winter dysentery diseases.

Card 2/2

- 56 -

KALYUZHNYY, D.K., prof., otv.red.; GORODETSKIY, A.S., kend.med.nauk, red.; IZDEBGKIY, A.M., kand.med.hauk, red.; KVITNITSKAYA, H.H., kend. med.nauk, red.; KRYZHANOVSKAYA, V.V., kand.med.nauk, red.; MARTY-HYUK, V.Z., prof., red.; PETROV, Yu.L., kand.med.nauk, red.; POZNANSKIY, S.S., kand.med.nauk, red.; STOVBUN, A.T., kand.med.nauk, red.; SHMAL, D.D., kand.med.nauk, red.; POTOTSKAYA, L.A., tekhred.

[Hygienic study and improvement of the environment] Gigienicheskoe izuchenie i ozdorovlenie vneshnei sredy. Kiev, Gos.med.izd-vo USSR, 1959. 331 p. (MIRA 13:4)

1. Ukrainskiy nauchno-isaledovatel skiy institut kommunal noy gigiyeny. 2. Predsedatel Problemnoy komissii Ministerstva zdravookhraneniya USSR (for Kalyuzhnyy).

(PUBLIC HEALTH)

GORODETSKIY, A.S., kend.med.nauk

Elimination of intestinal infections and invasions as a problem in modern communal hygiene. Vrach. delo no. 1:105-107 '61.

(MIRA 14:4)

1. Ukrainskiy institut kommunal'noy gigiyeny.

(INTESTINES—DISEASES) (PUBLIC HEALTH)

GORODETSKIY, A.S.; KNAFEL', M.Ye.

Change in the number of ascarid eggs in the soil of irrigation fields. Med.paraz.i paraz.bol. no.3:285-287 161. (MIRA 14:9)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta kommunal'noy gigiyeny (dir. instituta - prof. D.N. Kalyuzhnyy). (ASGARIDS AND ASGARIASIS) (SOILS-MICROBIOLOGY)

GORODETSKIY, 79. 5.

GORODETSKIY, A.S.

Conference on the prevention of soil pollution in populated areas.

Oig. 1 san. 22 no.7:89-90 Jl '57. (MIRA 10:10)

(SOIL POLLUTION)

GOROLETSKIY, A.S.; ENAFEL', M.Ye.

Irrigation fields with special reference to sanitation and helminthology.

Gig. i san. 24 no.5:74-76 My '59 (MIRA 12:7)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta kommunal'noy gigiyeny.

(SEWAOE,
field irrigation, transm. of helminths (Rus))
(ARRICULTURUE,
field irrigation with sewage, transm. of helminths (Rus))
(HEIMINTES,
transm. by field irrigation with sewage (Rus))

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GORODETSKIY, A.S.; LOKSHINA, S.S.

Dynamics of the quantitative distribution of coli bacilli in sewage irrigation soil. Gig. i san. 26 no.9:88-89 S '61. (MIRA 15:3)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta kommunal'noy gigiyeny. (SEWAGE IRRIGATION) (ESCHERICHIA COLI)

tinggan in the State of the state of the State in the state of the state of the state is an ora - 22. (4) sounce cone: Un/o2ho/65/000/012/0028/0031 EVI (1)/T JK L 27627-66 ACC NR. APROLBUTA AUPHOR: Origor yava, J. V. (Candidate of medical colonedo); Gorodetakiv, A. J. (Cardidate of medical sciences); Omel'yanats, T. G. (Cardidate of medical sciences); Bordanenko, L. A. (Camilidate of medical sciences) CRG: Klov Scientific Research Institute of General and Communal Hygiene (Kivevskiy neuchno-isslodovatel'skiy institut obshchey i kommunal'noy gigiyony) TITLE: Survivability of bacteria and viruses in vegetables irrigated with infected vetor SOURCE: Gigiyena i sanitariya, no. 12, 1965, 28-31 TOPIC TAGG: bacteria, virus, human ailment, bacteriology, virology, agriculture crop ARGINACT: The use of liquid wastes to irrigate the soil harbors the danger of infacting the vegetable crops, particularly when the sprinkling method is employed. In this cornection, the time open of survival of pathogenic bacteria and whruses in vegetable crops is of major significance. The pub-Lished literature on this subject is contradictory. To bring some clarity

CIA-RDP86-00513R000616230004-9" APPROVED FOR RELEASE: 09/19/2001

UDC: 613.26:628.37]: 576.9.095.1

into this matter, the authors investigated the survivability of pathogenic bacteria of the intestinal group (Salas typhicarium, Sides connel, Shig. Flemmoni), Compackle viruses of group A (A5, A7 and A14), and E. colida the foliage and fruits of plants irrigated with infected water (touctoes, lettude, and sweet peoper, i.e., vegetables which are most often eaten raw).

Card 1/2

L 27527-66 ACC NR: NF6018'114

This was followed by 21 series of experiments wideh revealed that the survivability of the pathogenic microorganisms differs depending on the blo-logical properties of a particular crop. Intestinal bacteria survive longer in the foliage of tomatoes grown in shadow (6-16 days) that in the foliage of tomatoes grown in the sun (3-k days). They survive longer in the foliage of sweet paper than in the Coliage of lettuce, and they survive longer in the fruits than in the foliage. The same pattern can be observed for viruses: their curvivability also depends on the type of crop, conditions and period of vegetation, and object of irrigation (foliage or fruit), though in general they survive somewhat longer than bacteria. Of the pathogenic bacteria of the tentestinal group, the breslau survived the longest (18 days), and Shigella somment the chartest (2-11 days). Of the three crops investigated, lettuce foliage — possibly because of its smoothness — provided the least favorable conditions for survival of bacteria and viruses, and tomato foliage — the

SUB CODE: 06, 02 / SURM DATE: 18Jan65 / ORIG REF: 006 / OTH REF: 003

Cord 2/2 (1)

Metwork for controlling contactors in testing the life of a selay.

Fiektretckhnika 35 no.10:37-39 0 164. (and 17:11)

GORODETSKIY, B.

At the head of the group. Zhil.-kom.khoz. 11 no.6:3 Je '61.

(MIRA 14:7)

1. Sekretar' partorganizatsii remontno-stroitel'nogo upravleniya Baumanskogo rayona Moskvy. (Moscow—Socialist competition)

L 18936-63 EWT(1)/FCC(w)/FS(v)-2/BDS/ES(v) AFFTC/ESD-3/APGC
Pe-4/Pg-4/Po-4/Pq-4 (W
ACCESSION NR: AP3004213 S/0018/63/000/007/0082/0083

AUTHOR: Gorodetskiy, B. (Major)

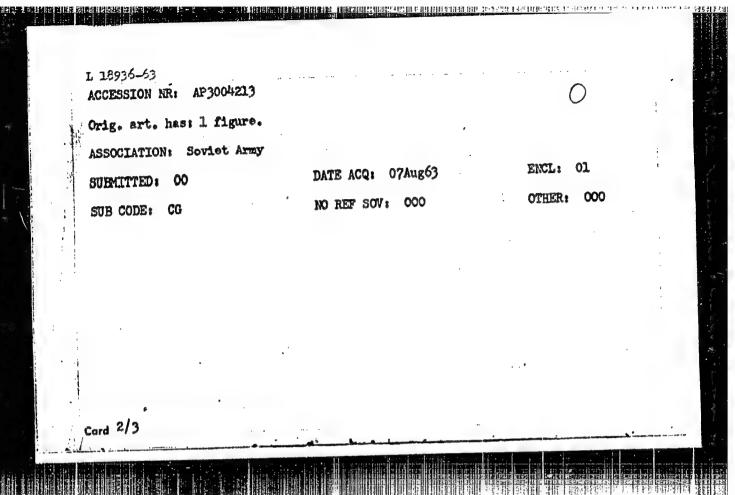
TITLE: Plotting the coordinates of sounding objects. Intersection device

SOURCE: Voyenny'y vestnik, no. 7, 1963, 82-83

TOPIC TAGS: sounding object, PUO-3, intersection device

ABSTRACT: A description is given of the construction and operation of the device developed by the author for the PUC-3 and shown in Figure 1 of the Enclosure. The device consists of two parts: the mobile part (1) and the immobile (2), which are screwed on to the corresponding parts of the PUC-3. On the mobile part, the sine scales are plotted in mils to the right and left of the zero mark (3). Each small graduation has a value of 0.002. The scales are graduated with the PUC-3 azimuth scale. The use of this device with the PUC-3(makes possible the rapid and accurate determination of the coordinates of sounding objects; it also facilitates firing for adjustment and plotting the sub-base centers and the normal lines on the plotting board.

Card 1/3



GORNDETSKIY, B., mayor; Lattillev, Ye., kapitan

Reconnaissance of sound targets. Voen.vest. 43 no.7:82-85 Jl '63.

(MIRA 16:11)

GONOLOGISKY, BALL

CORODETSKII, B. H., KAPUSHEVSKII, A. S.

Gertain errors in application of artificial pneumotherex. Prob. tuberk., Moskva No. 3, May-June 50. p. 53-4

1. Of the Ukraimian Tuberculosis Institute (Director-Prof. B. H. Khmel'niteddy).

CLHL 19, 5, Nov., 1950

GORODETSKIY, B. M.

H-MESTAGE 11997 中国民国和批准制度。全国国际

Various types of thoracoplasty in the treatment of pleural tuberculous empyemas. Probl. tuberk., Moskva no.4:45-48 July-Aug 1951.

(CIMI 21:1)

1. Of the Surgical Clinic (Head -- Prof. A. G. Kiselev), Ukrainian Scientific-Research Tuberculosis (Director -- Prof. B. M. Khmel'nitskiy), Khar'kov.

- 1. GORODETSKIY. B. M.
- 2. USSR (600)
- 4. Chest Tumors
- 7. Problem of erroneous diagnosis in intrathreacic tumors in children, Probl. tub., No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

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GORODETSKIT, B. M.

Results of treatment of suppurative tuberculous pleuries by active pulmonary decertication. Probl. tuberk., Moskys. No.5137-41 tiept-Oct 1953. (CIML 2515)

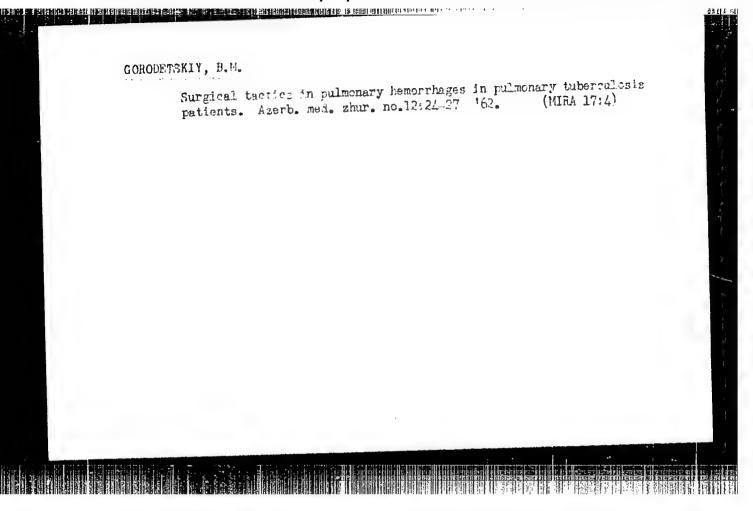
1. Senior Scientific Associate. 2. Of the Surgical Department (Supervisor -- Prof. A.G. Missley), Ukrainism Institute of Inheromlesis (Director -- Candidate Medical Sciences N.M. Yaney), Than key.

GCRODETSKIY, B. M.: Doc Med Sci (diss) -- "Purulent tuberculosic pleurisy and methods of treating it". Khar'kov, 1957. 15 pp (Min Health Ukr SSR, Khar'kov hed Inst), 200 copies (KL, No 5, 1959, 15h)

GORODETSKIY, E.M.; NUHMAMEDOV, A.D.

Role and site for carrying out thoracocautery in treating pulmonary tuberculosis at the present stage. Azerb. med. zhur. no.6:70-73

Je *61. (TUBERCULOSIS)



* 2017年 1848年 1858年 185

GORODETSKIY, B.M., prof.; AKHMEDOV, B.B., kand. med. nauk

Results of pulmonectomy in treating tuberculosis. Azerb. med. zhur. 41 no. 11:59-62 N '64. (MIRA 18:12)

1. Iz legochno-khirurgicheskogo otdeleniya (zav. - prof. B.M. Gorodetskiy) Respublikanskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - kand. med. nauk A.D. Nurmamedov). Submitted Nov. 11, 1963.

GORODETURIY, B.M., prof.

Results of pulmonary resections in taborculosis. Azerb.med.zhur. 42 no.1:69-71 Ja 165. (MIRA 18:5)

1. Iz legochno-khirurgicheskogo otdeleniya (zav. - prof. B.M. Gorodetskiy) Amerbaydahmaskogo respublikanskogo nauchno-issledo-vateliskogo instituta tuberkuleza (dir. - kand.med.nauk A.D. Nurmamedov).

GAPAROVICH, M.D.; GGRODETSKIY, B.Ya.

The DKFM bell differential manometer. Izm.tekh. no.9:23-25
S '60. (MIRA 13:9)

(Manometer)

CORODETSKIY, D. A.

USSE/Electricity - Personalities

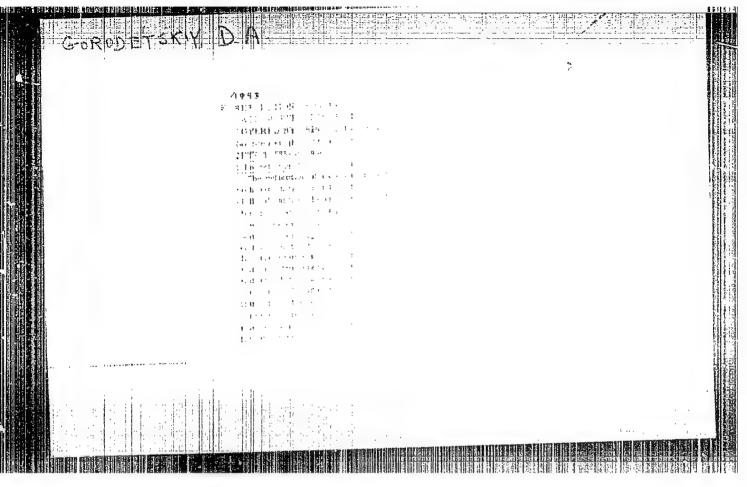
Dec 51.

"Academician V. S. Hulebakin (His 60th Birthday)," V. A. Trapeznikov, H. P. Kostunko, B. M. Petrov, H. V. Gorokhev, V. L. Lossiyevskiy, B. S. Sotskov, H. G. Chilikin, G. H. Fetrov, A. H. Lariomov, A. G. Iosif'yan, E. S. Bebov, B. A. Gorodetskiy

"Elektrichestvo" No 12, p 88

Rulebakin is vary well known in the fields of electenchines, elected equipment, automatic control, and illuminating engineering and has specialized for many years in aviation clettequipment. A major general in the aviation engineering service, he was one of the Counters of the All-Union Electing Inst and the Inst of Automatics and Telemechan and has beenied chairs at the Roscow Power Eng Inst imeni Molotov and the Air Force Eng Acad them; Zhukovskiy.

201187



GORODETSKIY, D. A. Cand Phys-Math Sci -- (diss) "Reflection of Slow Electrons From the Surface of Solid." Kiev, 1957. 13 pp 20 cm. (Min of Higher Education Ukrainian SSR, Kiev State Univ im T. G. Shevchenko), 100 copies (KL, 28-57, 109)

- 5 -

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CIA-RDP86-00513R000616230004-9

SOV/58-59-5-11022

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 5, p 159 (USSR)

AUTHOR:

Gorodetskiy, D.A.

TITLE:

On Calculating the Regions of Anomalous Growth of the Slow-Electron

Reflection Coefficient

PERIODICAL:

Nauk, Shehorichnik, Radiofiz, fak, Klivs'k, un-tu, 1956, Klyev, 1957,

pp 465 - 466 (Ukr.)

some parallelism.

ABSTRACT:

Following MacColl (MacColl, L.A., Bell System Techn. J., 1951, Vol 30, p 888), the author calculated the positions of the regions of total reflection of slow electrons in some metals (W, Au, Ag, Cu, Ba) and germanium for two values of the parameter A (which is adopted as equal to the lattice constant and the minimum interatomic distance). A comparison of the calculations with the experimental data disclosed

Card 1/1

GORODETSKIY, D.A.

Gorodetskiy, D.A. AUTHOR:

109-3-6/23

TITIE:

Reflection of Slow Electrons from the Surface of Certain Metals and Semi-conductors (Otrazheniye medlennykh elektronov

ot poverkhnosti nekotorykh metallov i poluprovodnikov)

Radiotekhnika i Elektronika, 1958, Vol.III, No.3 pp. 545 - 354 (USSR). FERIODICAL:

The work reports an experimental investigation of the secondary emission and elastic reflection of low-energy ABSTRACT: electrons from the layers of Au, Ag, Ba, Ge and BaO which were obtained by sputtering in high vacuum, and also of the thin films of Ba and BaO deposited on Ge. The measurements were carried out in a special sealed-off tube (see Fig. 2). A beam of low-energy electrons was formed in an electron gun similar to that described by Gimpel and Richardson (Ref.2). The potentials of the electrodes of the gun were chosen in such a manner as to obtain satisfactory focusing of the primary electrons at the target. A glass sphere coated with aquadag, and having a diameter of 35 mm, was used as the collector of the reflected and secondary electrons. The target was in the form of a tungsten ribbon, having dimensions of 5 - 7 mm and was coated with a layer of an investigated substance. The Cardl/3 target could be placed either inside the collector (for the

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measurement of the reflection and the secondary emission) or it could be moved away from the sphere. In the second position, the target was situated inside a tantalum cage and it could be heated by the electron bombardment from a tungsten spiral. The tantalum cage contained evaporators of the investigated substances. The tube was provided with an Alpert-type ionisation gauge, which could be used at pressures down to

 2×10^{-9} mmHg; the tube was also furnished with a Ba getter. The measurements on the layers of Au, Ag, Ba and Ge (carried out by employing the above tube) are reported in Figs. 2, 3 and 4. Fig. 2 shows voltage current characteristics of the target from which it was possible to evaluate the work functions of the substances. It was found that these are 5 eV for Au, 4.30 eV for Ag, 4.76 eV for Ge and 2.6 eV for Ba. Fig. 3 shows the reflection coefficient R of the substances as a function of the accelerating voltage Vp , while Fig.4

illustrates the dependence of 5 on V, 5 is the overal coefficient of the reflection and the secondary emission of ; 5 is the overall the electrons. Curves representing R as a function of VD

card2/3

Semi-conductors

CORODETSKY DA

55-1-2/56

AUTHOR: -

Gorodetskiy, D. A.

TITLE:

Reflection of Slow Electrons From the Surface of Pure Tungsten and From Tungsten Covered With Thin Films II (Otrazheniye medlennykh elektronov ot poverkhnosti chistogo i pokrytogo tonkimi plenkami vol'frama. II).

PERIODICAL:

Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, 1958, Vol. 34, Nr 1, pr. 7-13 (USSR).

ABSTRACT:

In former experiments the role of the polycrystalline state remained unexplained. Therefore the authors carried out experiments at a monocrystalline tungsten target. The present paper reports on the results of these experiments and on further experiments on the influence of thin films on the reflection of slow electrons. At first, a short report is given on the measuring methods. The reflection coefficient was measured in evacuated tubes, the essential construction of which was already described earlier (reference 1). The curves for the dependence of the reflection coefficient R and the secondary emission d on the energy v_p of the primary electrons (which were absorbed in a high vacuum immediately after the heating of the tungsten plate) obtained at the monocrystalline

Card 1/3

Reflection of Slow Electrons From the Surface of Pure Tungsten 56-1-2/56 and From Tungsten Covered WithThin Films. II.

tungsten plate are illustrated.in a diagram. The curves almost agree with the earlier obtained curves. A target of rolled tungsten band consists of a series of small equally orientated crystals and is similar to a monocrystal. Moreover the polycrystalline state does not play a role in the increase of the reflection in the case of an increasing energy of the electrons. In any case the experiments with monocrystals do not remove the anomalies from the course of the reflection coefficient, i.e. its increase with increasing energy of the electrons. The author also carried out experiments about the vaporizing of a tungsten layer upon a monocrystalline target. These results are also illustrated in a diagram. The depositing by evaporation of tungsten alters a little the absolute values of R and f, the anomalous course in the region of small energies is, however, conserved. In connection with the problem of the potential barrier at the boundary between the metal covered by the active film and the vacuum the author investigated the reflection of slow electrons from the surface of monocrystalline tungsten covered with films which reduce the work function. The corresponding results for the systems Barium oxide on a tungeten monocrystal are given here. The

Card 2/3

Reflection of Slow Electrons From the Surface of Pure Tungsten 56-1-2/38 and From Tungsten Covered With Thin Films. II.

reflection of slow electrons can reduce the constant A in the formula of Richardson-Deshman by 30 - 50%, compared to its theoretical value. The last section deals with the diffraction of slow electrons at a tungsten monocrystal covered with a barium film. According to the results obtained here the alteration of the work function is by no means a specific characteristic of a complicated polyatomic surface. There are 3 figures and 20 references, 7 of which are Slavic.

ASSOCIATION:

River State University (Kiyevskiy gosudarstvennyy universitet).

SUBMITTED:

May 8, 1957

AVAILABLE:

Library of Congress

Card 3/3

26, 2312 26, 1640

9.4300 (1164, 1385, 1072)

S/181/61/003/005/011/042 B101/B214

AUTHORS:

Gorodetskiy, D. A. and Kornev, A. M.

TITLE

Diffraction of alow electrons on the surface of tungsten conted with this layers of adsorbed harrest of harrist or harrist oxide

PERIODICAL: Fizika tverdogo tela, v. 3, no. 5, 1961, 1373 - 1383

That: Starting from the paper of H. Farnsworth (Ref. 3, see below) the structures of the system Ba - W, BaO - W were investigated by means of the diffraction of slow electrons. The method of C. Davisson and L. Germer (Ref. 6, see below) was employed. The tube represented in Fig. 1 contained an electron gun with a V-shaped tungsten cathode. The target consisted of a single crystal of W surrounded by a spherical collector having a slit for the beam of the primary electrons. Behind this was the movable side collector whose potential was +5 v with respect to the gun cathode. The target could be moved radially and axially on a molybdenum rod so that the azimuth angle of the side collector could be varied. Coaters were fitted on the spherical collector by means of which the target was coated with Ba or BaO. The amount of Ba or BaO on the tar-

Card 1/8

Diffraction of slow electrons ...

23106 \$/181/61/003/005/011/042 B101/B214

get was determined by measuring the work function of the target. The superhigh vacuum was produced by means of a titanium ionization pump consisting of an \mathrm{M}-2 (LM-2) ionization manometer from which the ion collector was separated and which contained the two titanium sprayers. By means of this conducting titanium coating was put on the glass surface; it was given a negative potential and attracted ions. The tube was evacuated

and heated several times up to 450° C; the target was heated by electron bombardment till the vacuum became constant at $(1-2)30^{-7}$ mm Hg. Then a vacuum of $(2-3).10^{-9}$ mm of Hg was obtained by means of the titanium pump. The side collector current was recorded by means of an amplifier and $\Pi(P-1-01 \text{ (PSR-1-01)})$ recorder. Currents of the order of 10^{-1} 3 amp could be measured. First the azimuthal angle of the side collector was chosen to obtain the most intense diffraction image and then the function $\lambda = f(\sin \theta)$ was recorded $(\theta = \text{the azimuthal angle})$. I) Fig. 3 shows the diffraction image of the pure W. The two straight lines correspond to the first and second orders of reflection. The lattice constant d is equal to 3.1 Å. The divergence from the straight line at low θ is explained as

Card 2/8

Diffraction of slow electrons ...

5/161/61/003/005/011/042 B101/B214

being due to the (110) plane making an angle of about 2° with the surface. II) Fig. 4 shows the diffraction image on coating W with Da. The intensities of the maxima along the straight lines n=1 and n=2 are altered. Fig. 5 shows this change for different thicknesses of Ba coating for an azimuthal angle 31.50 (at which the most intense new diffraction image was observed) and 49.50 (most intense maximum for pure W). It is consluded that the structure of the Ba film has the same order and lattice constant as W. By increasing the coating of W with Ba a second unordered layer is formed and the maxima decrease. III) The diffraction image of the coating of heated W with BaO is shown in Fig. 7. The majority of the new maxima correspond to a lattice constant whose value is double that of W. No explanation can yet be given of the maxima not lying on the straight line. The results do not agree with those of P. Russel and A. Eisenstein (see below) since they worked with fast electrons and could not observe the monomolecular layer. All the data of the present authors contradict the hypothesis of L. Nergard (see below) according to which BaO collects into islands on heating leaving the greater part of the surface of W free. V. Gavrilyuk is mentioned. Professor N. D. Morgulis, Corresponding Member of AS UkrSSR, is thanked for discussions. There are 7 figures and Card 3/8

23106

Diffraction of slow electrons...

S/181/61/003/005/011/042 B101/B214

references: 3 Soviet-bloc and 6 non-Soviet-bloc. The 4 most important references to English-language publications read as follows: L. Negard, R.A. Rev., 18, 486, 1957; P. Russel, A. Eisenstein, J. App. Phys., 25, 954, 1954; R. Farnsworth, Phys. Rev., 49, 605, 1936; C. Davisson, L. Germer, Phys. Rev., 30, 705, 1927.

ASSOCIATION Kiyevskiy gosudarstvennyy universitet im.T.G.Shevchenko (Kiyev State University imeni T.G.Shevchenko)

SUEMITTED: May 14, 1960 (initially)
December 20, 1960 (after revision)

Card 4/8

GORODETSKIY, D.A. [Herodets'kyi, D.O.]; KORNEV, A.M. [Korniev, O.M.]

Device for visual observation of the diffraction of slow electrons. Ukr. fiz. zhur. 6 no.3:422-424 My-Je '61.

(MIRA 14:8)

1. Kiyevskiy gosudarstvennyy universitet im. T. Shevchenko.

(Electrons—Diffraction)

ACEYKIN, V.S.; BAKTHOVSKIY, O.A.; BIBLK, V.F.; CORODETSKIY, D.A.;
ISRCHEK, V.A.; KORCHEVOY, Yu.P.; NAUROVETS, A.G.;
PANYLERKO, G.A.

Eleventh Conference on the Physical Principles of Cathode
Electronics. Radiotekh. i elektron. 9 no.6:1099-1113 Je '64.

(MIRA 17:7)



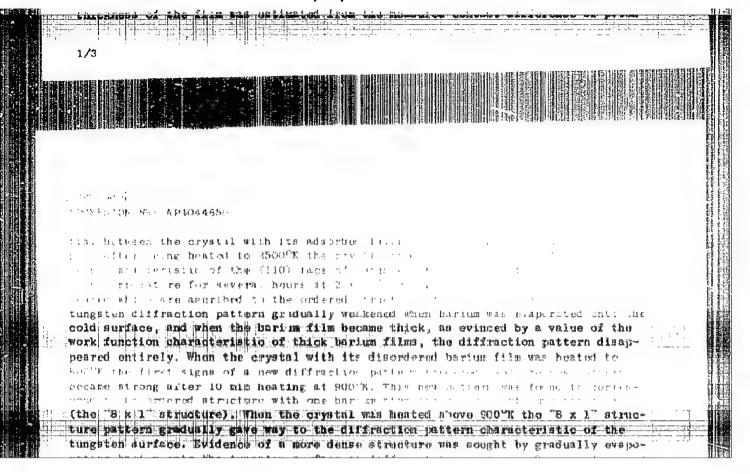
SOURCE: AN ESSR. Izv. Seriva finicheskays, v.88, no.8, 1964, 1337-1339

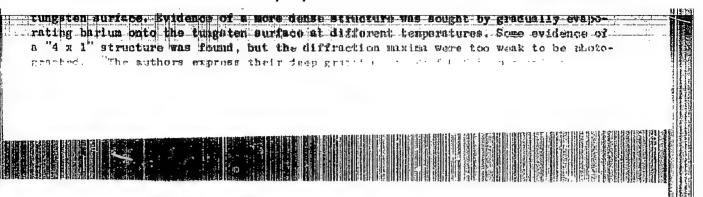
Topic TAGS: thin film, adsorption, electron diffraction tungster, single crystal.

18:18:17 The structure of adsorbed bar un ::

18:18:17 The structure of adsorbed bar un ::

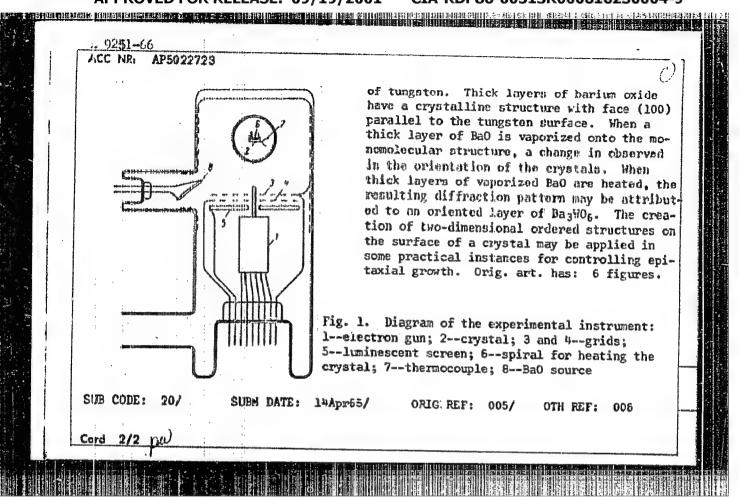
18:18:18 Use investigated by slow electron diffraction pattern could be continuously processor in the pattern could be continuously processor in the continuously processor in the





ASSOC	ATION: Kafedra el	ektroniki Kiyes	ugoka kaenierei	log respective	for a literary	
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ENT(m)/T/ENP(t)/ENP(b)/ENA(c) IJP(c)ACC NR: AP5022723 SOURCE CODE: UR/0181/65/007/009/2780/2788 AUTHOR: Gorodetskiy, ORG: Kiev State University im. T. G. Shevchenko (Kiyevskiy gosudarstvennyy universitet) TITLE: Structure of barium oxide films on surface (110) of a tungsten single crystal SOURCE: Fizika tverdogo tela, v. 7, no. 9, 1965, 2780-2788 TOPIC TAGS: tungsten, single crystal, epitaxial growing, x ray diffraction analysis, barium oxide, ceramic film ABSTRACT: The authors describe a newly designed device for studying barium oxide films on tungsten by visual observation of the diffraction pattern on a luminescent screen. Electrons from the specimen pass through the first grid and fall into the decelerating field generated by the second grid. Elastically reflected electrons have nufficient energy to overcome this potential field and are accelerated to 4 kev, activating the luminescent screen. The structures of both monomolecular and thick (5-20 molecular layers) films of BaO were studied on the (110) face of a tungsten single crystal. The two-dimensional reciprocal lattices of the specimens are shown as well as photographs of the diffraction patterns. The molecules in a monomolecular layer have an ordered arrangement after heating, with one molecule of BaO per eight atoms Card 1/2



GOMODETSKIY, D. M. (Veterinary Doctor, Moscow). (Abstracted by NOSKOV, A. I.)

"Sulfur dioxide in hypodermatosis of cattle".....

Veterinariya, vol. 39, no. 3, March 1962 pp. 32

86095

9.4300 (3203, 1043, 1143)

S/112/59/000/012/006/097/ A052/A001

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1959, No. 12, p. 8, # 23975

AUTHOR:

Gorodetskiy, D. O.

TITLE:

On the Calculations of Regions of an Anomalous Increase of the

Reflection Coefficient of Free Electrons

PERIODICAL:

Nauk, shehorichnyk, Radiofiz, fak, Kyivs'k, un-tu, 1956, Kyiv, 1957.

pp. 465-466 (Ukrainian)

TEXT: On the basis of Mackol's study (Bell System Techn. J., 1951, 30, 888) a calculation of the position of regions of total reflection of free electrons for some metals and Ge has been carried out for two values of parameter λ equal to the lattice constant and to the least interatomic distance. The regions are determined which can considerably increase the reflection coefficient of electrons and to give rise to its anomalous increase with an increase of energy. There is a certain parallelism between the data of the calculation and those of the investigations.

A. F. A.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

GORODETSKIY, D.O. [Horodets'kyl, D.O.]; MAMUTA, G.D. [Mamuta, H.D.]

Investigating electron characteristics of thin film systems, Visnyk Kylv.un.no.2.Ser.fiz.ta khim. no.1:79-85 '159. (MIRA 14:8)

(Metallic films)

GOROPETSKIY. David Jerseyexich; ZIHENGAR, Lev Avgustovich; KOROSTYLEY, A.Ye., redaktor; CKHRIMENKO, V.A., redaktor; NADEINSKAYA, A.A., teknicheskiy redaktor.

[Innovations in the technology and organization of stripping work in coal pits] Novoe v tekhnologii i organizatsii vskryshnykh rabot na ugol'nykh razrezakh. Moskva, Ugletekhizdat, 1955. 79 p. (MLRA 9:4) (Coal mines and mining)

RZHEVSKIY, V.V., doktor tekhnicheskikh nauk.; SOKOLOVSKIY, M.M.; SKVORCHEVSKIY, B.D.; GOROUFFSKIY, D.Ye.; SUSHCHKHKO, A.A.

"Handbook for engineers and technicians on strip mining". Gor shur. no.3:80 Mr '57. (MIRA 10:4)

1. Glavnyy inzhener upravleniya otkrytykh rabot Ministerstva ugol'noy promyshlennosti SSSR (for Sokolovskiy). 2. Glavnyy inzhener Kounradskogo rudnika (for Skvorchevskiy). 3. Glavnyy inzhener kombinata Sverdlovskugol' (for Gorodstakiy). 4. Glavnyy inzhener proyektov TSentregiproshakhta (for Sushchenko), (Strip mining)

GORODETSKIY, D.Ye., ingh.

New safety measures used in mines and pits of the Sverdlovsk
Economic Gouncil. Begop.truda v prom. 2 no.10:24-26 0 '58.

(MIRA 11:11)

(Sverdlovsk Province--Mining engineering--Safety neasures)

GORODETSKIY, David Yevseyevich; ZHURIH, Grigoriy Mikheylovich; ZUBAREV, Leonid Aleksandrovich; ADAMOVA, L., red.; CHEMKO, L., tekhn. red.

[Put the reserves of the fuel industry to use]Rezervy toplivnoi promyshlennosti v deistvii. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1961. 110 p. (MIRA 15:8) (Coal mines and mining) (Peat)

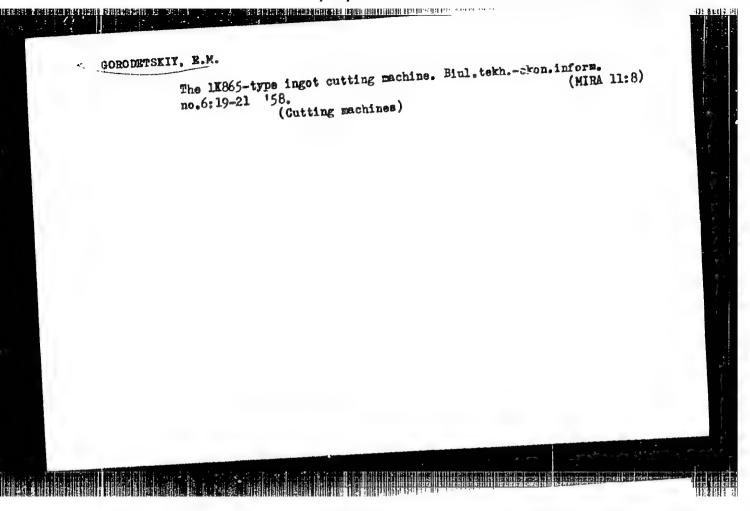
GORODETSKIY, D. Ye.

Practice of mechanizing work and equipment repair in strip mines of the Vakhrushevugol' Trust. Sbor. trud. MISI no.39: 435-436 '61. (MIRA 16:4)

2. 第11条目標前移送時事 使用限的 医核性性性 第2条目標 2. 2012年 2.

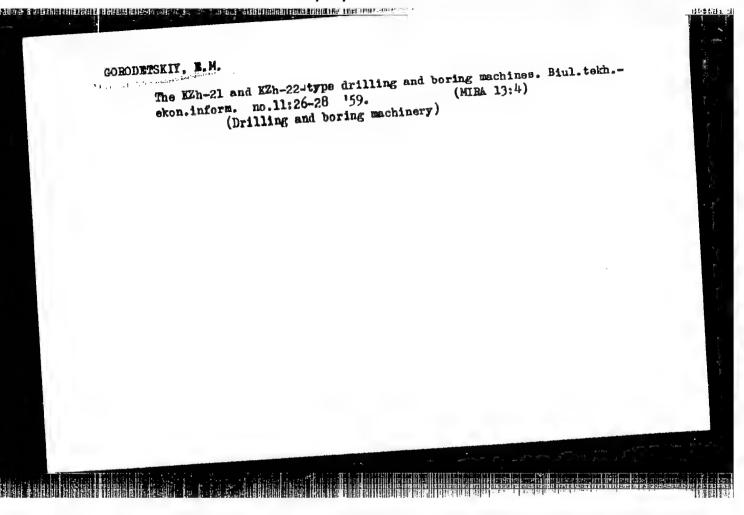
1. Nachal'nik Upravleniye toplivnoy promyshlennosti Sverdlovskogo soveta narodnogo khozyaystva.

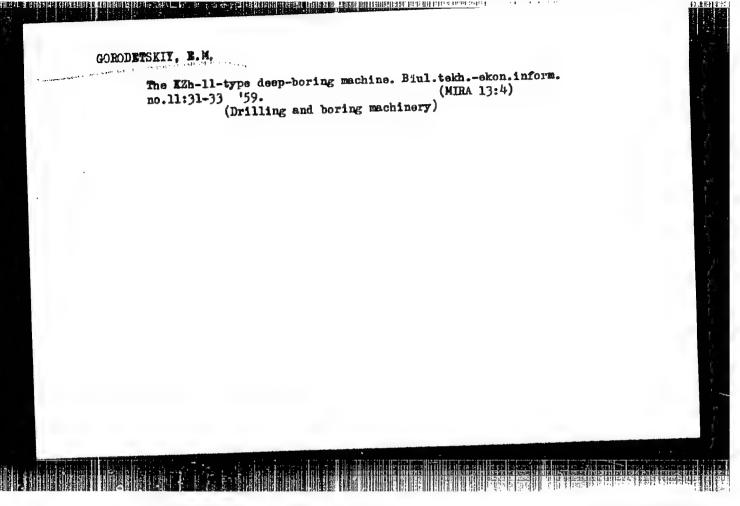
(Karpinsk region-Strip mining-Equipment and supplies)



"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000616230004-9





S/193/60/000/009/002/013 A004/A001

AUTHOR:

Gorodetskiy, E.M.

TIPLE:

The KX(KZh)-34 Machine for the Building Up of Rolling Mill Rollers

PERIODICAL:

Byulleten' tekhniko_ekonomicheskoi informatsii, 1960, No. 9,

pp. 8-11

TRAT: In cooperation with the Institut elektrosvarki im. Ye.O.Patona AN UkrSSR (Electric Welding Institute im. Ye.O. Paton of the AS UkrSSR) the Kramatorskiy zavod tyazhelogo stankostroyeñiya (Kramatorsk Heavy Machine Tool Plant) has designed and manufactured in 1960 new building-up machines for the reconditioning of steel rollers. The build-up layer is welded on with the aid of melting electrodes under a layer of flux powder. If powder wire of the IN 3×268 (PP-ZKh2V8) grade is used, the durability of rollers is considerably increased (by 6-8 times). The technology of automatic building up was developed increased (by 6-8 times). The technology of automatic building up was developed introduced by the Electric Welding Institute im. Ye.O. Paton of the AS UkrSSR, and introduced by the Electric Welding Institute im. Ye.O. Paton of the As UkrSSR, and introduced by the Electric Welding Institute im. Ye.O. Paton of the As UkrSSR, and introduced by the Electric Welding Institute im. Ye.O. Paton of the As UkrSSR, and introduced by the Electric Welding Institute im. Ye.O. Paton of the As UkrSSR, and introduced by the Electric Welding Institute im. Ye.O. Paton of the As UkrSSR, and introduced by the Electric Welding Institute im. Ye.O. Paton of the As UkrSSR, and introduced by the Electric Welding Institute im. Ye.O. Paton of the As UkrSSR. In the surface to be built up is in a linear gage profiles) is only possible, if the surface to be built up is in a horizontal position or possesses an angle of inclination of not more than 200.

Card 1/2

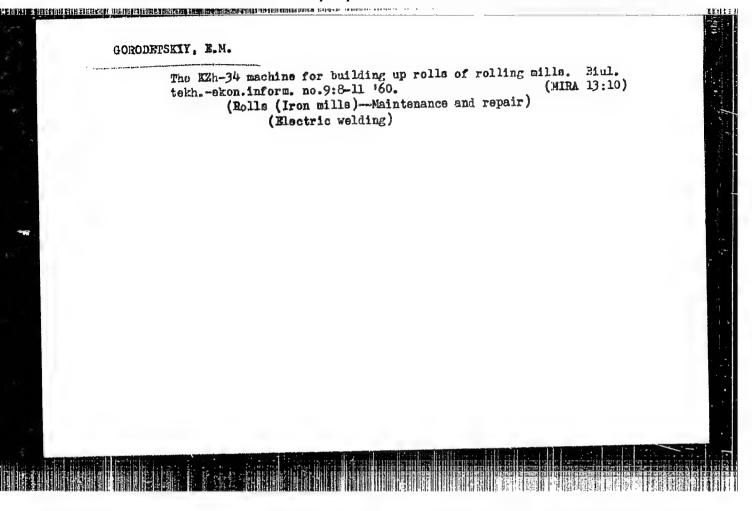
TABLE TO SERVED IN THE TREE THE TREE TO SERVED THE TREE TO SERVED THE TREE TO SERVED THE TREE SERVED THE SERVED

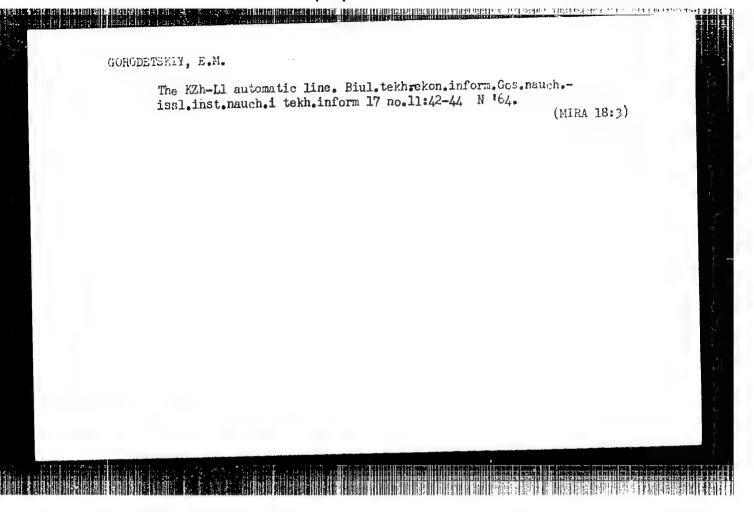
S/193/60/000/009/002/013 A004/A001

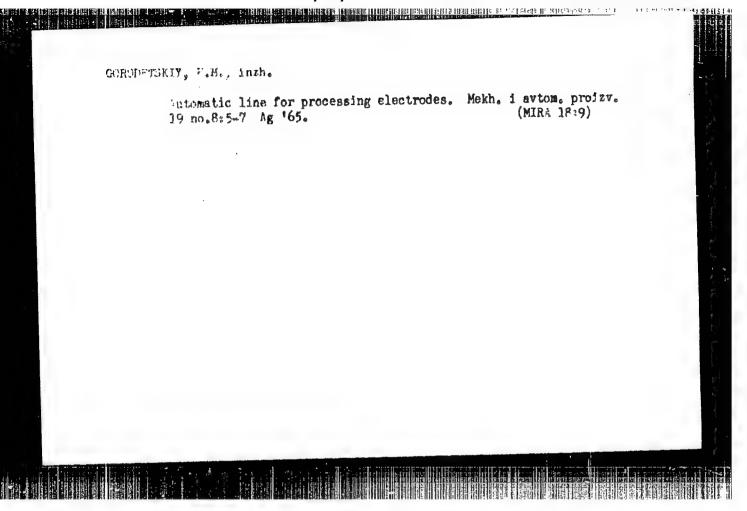
The KX (KZh)-34 Machine for the Building Up of Rolling Mill Rollers

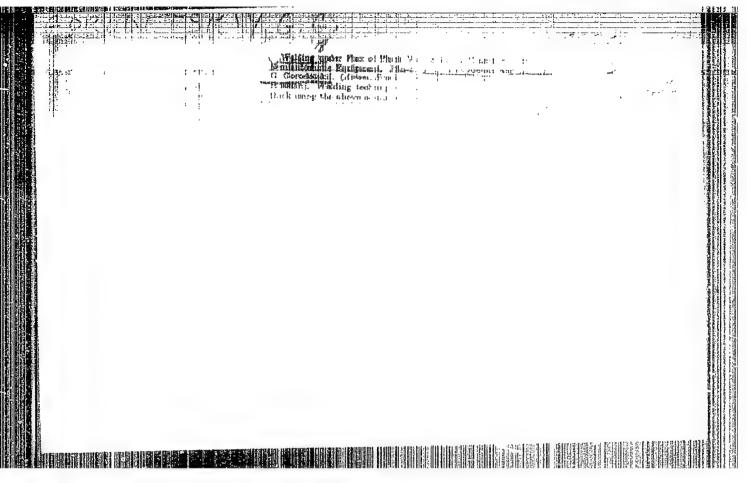
The supporting part of the machine together with the roller can be turned through an angle of $\pm 70^{\circ}$, can be lowered, lifted, moved to the right and left side relative to the building-up apparatus. Thus it is possible, by the displacements indicated, to adjust the surface built-up in a position which ensures the highest efficiency and high-quality building up. The author gives a detailed description of the design and operation of the new machine and points out that building up should be effected at temperatures in the range of 370-400°C. The temperature of the preheated roller is maintained with the aid of an inductor of industrial frequency current. The inductor is mounted on a trolley with individual drive so that it can be displaced along the machine bed. The author presents the following technical data of the KZh-34 machine; height of centers = 750 mm; admits between centers, largest = 4,200 mm, smallest = 1,100 mm; diameter of rollers to be built up = 250-850 mm; top weight of rollers = 8,000 kg, length of bed travel = + 1,100 mm, travel of building-up apparatus = 2,400 mm, number of electromotors = 9, overall dimensions of machine for horizontal position of bed (length x width x height) = 7,500 x 5,500 x 6,000 mm, weight of machine = 34 tons. There is 1 figure.

Card 2/2









GOROLETSKIY, G.M.; LIGOTSKIY, L., redaktor.

[Calculations of electric networks] Raschet elektricheskikh setei. Kiev, Gos. izd-vo tekhn. lit-ry, 1953. 346 p.(MIRA 7:8)

(Electric networks)

MAYGEROV. Iosif Borisovich; prinimali uchastiye: GVOZDEVICH, A.M., SHMORGUN, Ya.Sh., inzh.; TIMOFEYEV, T.S., inzh.; ARAV, R.I., inzh., KULESHOVA, A.I., inzh.; GORODETSKIY, G.Ya., inzh.; SOSHENKO, M.N., inzh. retsenzent; SIROTIN, A.I., red.; EL'KIND, V.D., tekhn. red.

[Reclemation of used send mixtures; design of pneumatic reclaimers]
Regeneratelia otrabotannykh smesei v liteinom proizvodstve; konstruktelia i raschet pnevmaticheskikh regeneratorov. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 181 p.
(MIRA 14:5)

l. Machal'nik otdela mekhanizatsii Moskovskogo transformativnogo zavoda (for Gvozdevich, Shmorgun, Timofeyev, Arav, Kuleshova, Gorodetskiy)

(Send, Foundry) (Pneumatic machinery)

ANILOVICH, V.Ya., kand. tekhn. nauk; GORODETSKIY, I.M., inzh.; DYU-IN YU, inzh.; PEDOROV, Yu.I., inzh.; CHERNYAVSKIY, I.Sh.

Investigating the dynamic loads in the transmission of the T-25 (T-74) tractor during starting. Mekh. i elek. sots. sel'khoz. 21 no.3:1-4 '63. (MIRA 16:8)

1. Khar kovskiy traktornyy zavod.
(Tractors—Transmission devices)

Goro Detskiy, I.ya.; romoderskiy, A.g.; Chrysly, v.:.

Liquid - veror aguilibrium and miscibility of the solution of a gradum cyclohemenone - water. Verb. 160 16 m. 22:136-132 (c).

(Cyclohemanone) (Phone role and aquilibrium)

GORODETSKIY, I.Ya.; OLEVSKIY, V.M.

Vapor-liquid equilibrium and mutual solubility of the components in the system cyclohexanone - cyclohexanol - water. Vest. LGU 15 no.16: 102-108 '60. (MIRA 13:8)

(Cyclohexanone) (Cyclohexanol)

S/032/60/026/05/11/063 B010/B005

AUTHORS:

Gorodetskiy, I. Ya., Olevskiy, V. M.

TITLE:

Analysis of the Ternary System Cyclohexanone Cyclohexanol

Water

PEFIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 5, pp. 547-549

TEXT: To investigate the equilibrium between the liquid and the vapor phase, as well as the mutual solubility of the components of the system mentioned in the title, a method was used which consisted of the chemical determination of the cyclohexanone amount and the measurement of the refractive index of the system. The investigations are of special importance to the synthetic fiber industry. In the system mentioned, the cyclohexanone content is determined with hydroxylamine according to a new method (Ref. 1). Two homogeneous and one heterogeneous range are present in the solution diagram (Fig. 1) of the system. The dependence of the refractive index on the composition of the system was first determined in the homogeneous range, and corresponding diagrams (Figs. 2,3) were plotted according to a method described by B. V. Ioffe and

Card 1/2

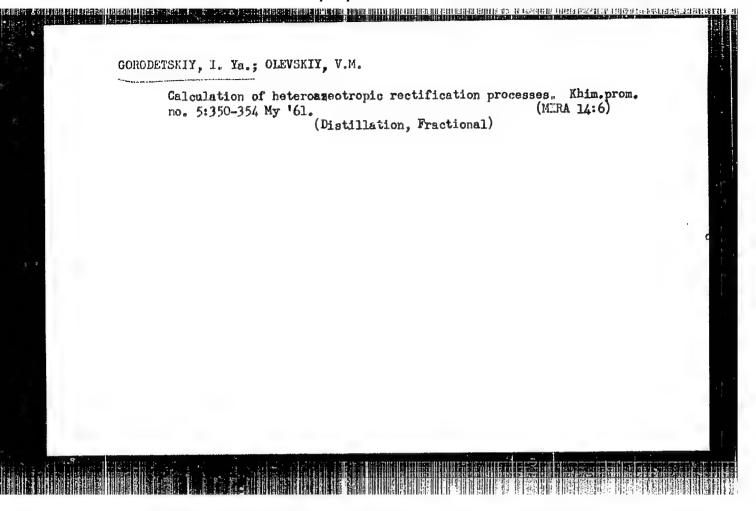
Analysis of the Ternary System Cyclohexanone - S/032/60/026/05/11/063 Cyclohexanol - Water B010/B005

A. G. Morachevskiy (Ref. 4). The homogenization may be carried out by addition of a measured quantity of water or cyclohexanone. An example for the analysis of a heterogeneous mixture of cyclohexanone, cyclohexanone, and water as well as the corresponding calculation formulas are given. An accuracy of determination of 0.15-0.25% was achieved in the homogeneous and of 0.5-0.9% in the heterogeneous range. There are 3 figures and 7 references, 6 of which are Soviet.

ASSOCIATION: Gosudarstvennyy institut azotnoy promyshlennosti (State Institute of the Nitrogen Industry)

Card 2/2

GORODETSKIY, I. Ya., Cand. Tech. Sci. (diss) "Investigation in Field of Separation of Semi-products of Production of Some Synthetic Materials," Moscow, 1961, 12 pp. (Moscow Inst. Precise Chem. Tech.) 200 copies (KL Supp 12-61, 265).



GORODETSKIY, I.Ye.; OLEVSKIY, V.M.

Apparatus for the determination of equilibrium between liquid and vapor of thermally unstable substances of low volatility. Khim.i tekh. topl. i masel 7 no.11:50-56 N '62. (MIRA 15:12)

1. Gosudarstvennyy proyektnyy i nauchno-issledovatel'skiy institut azotnoy promyehlennosti.

(Vapor density)

GOROLETSKIY, I. Ya.; OLEVSKIY, V. M.; LEVITANAYTE, R. P.

"Issledovaniye massoperedacni v absorbtsionnykh apparatakh pri naloznenii vibratsionnykh kolebaniy."

report submitted for 35th Intl Cong, Industrial Chemistry, Warsaw, 15-19 Sep 64.

Gosudarstvennyy institut proektirovaniya azotnoy promyshlennosti, Moscow.

GORODETSKIY, I.YB. (MOSCOW); OLEVSKIY, V.M. (MOSCOW); LEVITANAYTE, R.P. (MOSCOW); LEGCCHKINA, L.A. (MOSCOW)

Apparatus for determining equilibrium between liquid and vapor.

Zhur.fiz.khim. 38 no.ll:2744-2746 N '64.

(MIRA 18:2)

1 10577-66 EWT(d)/EWT(1)/EWT(m)/EPF(n)-2/EWP(t)/EWP(b)/EWA(m)-2ACC NRI AP5025407 JD/WW/AT SOURCE CODE: UR/0191/65/007/010/3139/3136 AUTHOR: Sheynkman, M. K.; Gorodetskiy, I. Ya.; Yermolovich, I. B. 41/ 14 6 QRG: Institute of Semiconductors AN UkrSSR, Kiev (Institut poluprovodnikov AN UkrSSR) 21,141, 5 TITLE: Effect of temperature on the cross sections for capture of electrons by recombination centers in CdS and CdSe 27 37 SOURCE: Fizika tverdogo tela, v. 7, no. 10, 1965, 3134-3136 TOPIC TAGS: cadmium sulfide, cadmium selenide, single crystal, semiconductor research, capture cross section, photoelectric property ABSTRACT: Three recently proposed methods are used for studying the relationships between temperature and the cross sections for capture of electrons by r-centers and various s-centers in CdS and CdSe single crystals in the 110-330°K temperature range. The methods used are based on a study of the photocurrent kinetics when the crystals are illuminated: a) by a powerful shoft pulse of light--the "luminous shock" method; b) by constant radiation and a weak pulse of stimulating light--the "natural pulse" method; c) by constant illumination and a weak pulse of infrared light which quenches the photocurrent -- the "IR pulse" method. The "light shock" and "natural pulse" methods were used for measuring the cross sections for capture by r-centers. Both methods gave extremely close values for S_{\bullet} . The values of $S_{\bullet}(T)$ were determined by Cord 1/2

L 10577-66

ACC NR: AP5025407

the "natural pulse" method. High-resistance undoped photosensitive single crystals of cadmium sulfide and cadmium selenide were studied. The cross sections for capture by various r-centers in these crystals are extremely weakly dependent on temperature. The values of 5 are also only slightly sensitive to temperature near 110°X; however a further increase in temperature results in an exponential increase in $S_{c}(T)$ with em activation energy lying between 0.1 and 0.2 ev for various s-centers in CdS and Case. This increase in $S_g(T)$ starts long before the beginning of temperature quench-

ing of photocurrent in these crystals. A theoretical model is proposed to explain the relationship between temperature and the capture cross section. The authors thank V. Ye. Lashkarev for valuable consultation. Orig. art. has: 1 figure.

SUB CODE: 20/

SUBM DATE: 23Nay65/

ORIG REF: 015/

。 第一章 1917 - 1918年 -

OTH REF: 004

CIA-RDP86-00513R000616230004-9" APPROVED FOR RELEASE: 09/19/2001

GORODETSKIY, K.I., inzh.

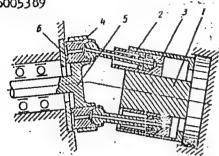
Some problems in the kinematics of amal piston pumps. Trakt. i sel'khozmash. 33 no.5:8-11 My '63. (MIRA 16:10)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyy institut.

AUTHORS: Kreysler,	A. A.; Gorodetskiy, K. I.	Gluzman, I. A.	52
ORG: none	Anti-distribution		B
TITLE: An axial pis	ston pump. Class 59, No. 1	17774	
SOURCE: Izobreteni)	ya, promyshlennyye obraztsy	, tovarnyye znaki, no. 1,	1966, 140
TOPIC TAGS: axial [pump, fluid pump		
the intake and with with double-sided is other with the socke of the drive shaft intrough the hydroste and increases the proclear through, and with the casing or a recess in its fla	hor Certificate presents an a rotating cylinder block. Dints. One of the joints is et (see Fig. 1). The socker flange and transmits the pratic bearing to the pump caump efficiency. The axial seach socket mounted in the is connected with a fixed put face and is connected by to the proper operating characteristics.	NThe pump includes connected with the pist t is mounted on one of the essure force of the liqui- sing. The design reduces holes in the drive shaft hole contacts its flat fa art of the casing. Each axial channels to the com	on and the e axial holes d being pumped the leakage flange run ce directly socket has meeting rod
Card :1/2			UDC: 621.659

L 0425'.-67

ACC NR: AP6005389



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Fig. 1. 1 - cylinder block; 2 - connecting rods; 3 - pistons; 4 - socket; 5 - drive shaft; 6 - recess in the socket

individual hydrostatic bearing of each piston and the correspondence between the back pressure in the bearing and the pressure in the operating chamber. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 02Jun62

Cord 2/2 EV

GORODETSKIY, L. A.

"Reflection of Slow Electrons From Pure and Film Coated Metallic Surfaces," by L. A. Gorodetskiy, Kiev State University imeni Shevchenko, Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya, Vol 20, No 9, Sep 56, pp 1023-4 (abbreviated report)

The widely used film coated metallic cathodes were investigated, with particular attention to the reflection coefficient of slow, 2 - 10 eV, electrons from tungsten, previously strongly vacuum heated, from barium and silver vacuum deposits on tungsten, and from tungsten thinly coated with barium and oxygen. The reflected and secondary electrons were driven to a collector and the reflection coefficient measured by a curve of lagging current. It was found that the electron reflection coefficient at an energy below 4 eV is very responsive to the state of the metallic surface. Coating with a film of residual gas increases the reflection by a factor of two to three. The dependence of the reflection coefficient on the energy of primary electrons for pure tungsten does not agree with the theoretical curve. An increase of reflection is observed with rising energy. However, with a thick deposit of barium and silver on tungsten, the dependence of the reflection coefficient on the primary electron energy concurs with the theory and the reflection decreases with rising energy.

Sum 1258

- 1. GCRODETSKIY, L. L.
- 2. USSR (600)
- 4. Folecats
- 7. Effect of various methods of skinning steppe polecats on the quality of furs during tranning. Trudy VNIO No. 10, 1951.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000616230004-9 una angunu katatanga ka iki katatanga atan bangga atan bangga bangga kangga atangga kangga bangga katang atangga kangga ba

USSR / Soil Science. Cultivation. Improvement. Erosion. J-4

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 72739

Author : Gorodetskiv, L. N.

Inst : Azerbaydzhan Scientific-Research Institute of Cotton

Growing

Titlo : Salinity From Temporary Surface Water in Soils of

Shirvana

Orig Pub : Byul. nauchno-tekhn. inform. Azerb. n.-i. in-ta

khlopkovodstva, 1957, No 2, 73-74

Abstract : Salinity of soils of the cotton fields in the eastern part of the Shirvana Steppe from seasonal surface and

irrigation waters is observed in different places with an area 0.0-1 ha. This phenomenon is conditioned by the presence in the alluvial stratified grounds of clay lenses inpenetrable by water which provent the infiltration

of water in depth. Vertical drainage is recommended. --T. D. Morozova

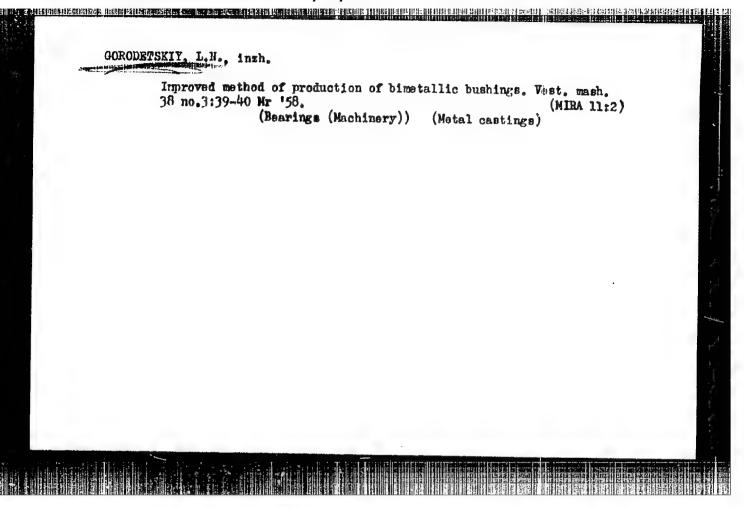
Card 1/1

GORODETSKIY, L.W., inzhener.

Manufacturing bimetallic nuts. Mashinostroitel' no.7:37-38 Jl '57.

(Bolts and nuts)

(MERA 10:8)



ताः । १९८४मा सम्बद्धाः स्थापताः । १८८८ वर्षः १८८८ वर्षः १८८८ वर्षः । १८८८ वर्षः । १८८८ वर्षः । १८८८ वर्षः । १८ १९८८ वर्षः । १९८८ वर्षः । १८८८ वर्षः १८८८ वर्षः १८८८ वर्षः । १८८८ वर्षः । १८८८ वर्षः । १८८८ वर्षः । १८८८ वर्षः

25(1)

SCV/117-59-6-21/33

AUTHORS:

Gorodetskiy, L.N., and Izvarin V.D., Engineers

TITLE:

Cutting the Racks of Self-Centering Chucks

PERIODICAL:

Mashinostroitel', 1959, Nr 6, p 34 (USSR)

ABSTRACT:

The repair of self-centering lathe chucks is generally connected with the cutting of rack teeth, which is the main difficulty of this job. The authors describe a new technology, which is easily comprehensible, of cutting racks on a lathe, without the aid of complex tools. This method was introduced at the zavod imeni Petrovskogo (Plant imeni Petrovskiy)

by one of the authors. There is 1 diagram.

Card 1/1

25,1000

2007/1/039-10-14/20

AUTHORS:

Gorodetskiy, L. N. (Assistant Chief of Rail-Beam Shop), Zadorozhnyy, L. S. (Shop Foreman), Sherenhev-

sknya, R. M. (Senior Engineer of Central Flant

Laboratory)

TITLE:

Increased Life of Cutters for Cutting Hot Metal

PERIODICAL:

Metallurg, 1959,

Nr 10, pp 27438 (USSR)

ABSTRACT:

In the railbeam shop of Plant imeni Petrovskiy (zavod imeni Petrovskogo) cutting edges of cutters

are built up with 3Kh2V8 alloy steel. After

forging and machining 45-steel cutters are annealed from 810 C. An automatic ABS-type welding head is used and work is done submerged in AN-20 flux of the

following composition (%): S102: 19-24, A1203: 27-32, CaF_2 : 25-33, MgO: 9-13, CaO: 3.0-9.0, \hat{K}_2O :

2.4-3.0, FeO and MnO: maximum 1.0 and 0.5, respectively, S: 0.08, P: 0.05. Maximum flux moisture:

Card 1/3

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000616230004-9"

Increased Life of Cutters for Cutting Hot Metal

75582 SOV/130-59-10-14/20

O.1%. Electrode wire PP3Kn2V8 made of powdered material and direct reverse polarity current of 420 to 450 amp are used. Are voltage: 32 to 34 v, speed of are motion: 22 m/n, speed of wire feed: 56 m/h. The latter can varied by interchangeable gears within the range of 28.5 to 255 m/h. The built-up cutter is placed in a furnace heated to 400 C. The furnace is turned off and slowly cooled with the cutter. Tempering for 2 hrs at 300 C follows. Hardness: 45 to 49 Rg. Chemical composition of built-up metal (%): C: 0.29, Mn: 0.89, Si: 0.92, Cr: 2.5, W: 9.37, V: 0.33, S: 0.030. Average cutter life: 498 hours. The use of built-up cutters reduced their consumption by thirty times. There are 2 figures.

Card 2/3

Increased Life of Cutters for Cutting Hot Metal

75582 **SOV/130-59-10-**14/20

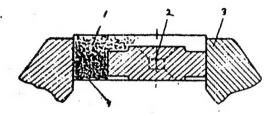


Fig. 2. Diagram of cutter setting before building up: (1) cutter; (2) flux; (3) vise; (4) box.

ASSOCIATION: Plant imeni Petrovskiy (Zavod imeni Petrovskogo)

Card 3/3